This publication, including all photographs, illustrations and software, is protected under international copyright laws, with all rights reserved. Neither this manual, nor any of the material contained herein, may be reproduced without the express written consent of the manufacturer.
The information in this document is subject to change without notice. The manufacturer makes no representations or warranties with respect to the contents hereof and specifically disclaims any implied warranties of merchantability or fitness for any particular purpose. Further, the manufacturer reserves the right to revise this publication and to make changes from time to time in the content hereof without obligation of the manufacturer to notify any person of such revision or changes.

## Trademarks

IBM, VGA, and PS/2 are registered trademarks of International Business Machines.
Intel, Pentium, Pentium-II, Pentium-III, MMX, and Celeron are registered trademarks of Intel Corporation.
Microsoft, MS-DOS and Windows 95/98/NT are registered trademarks of Microsoft Corporation.
Sound Blaster is a trademark of Creative Technology Ltd.
PC-cillin and ChipAwayVirus are trademarks of Trend Micro Inc.
AMI is a trademark of American Megatrends Inc.
A3D is a registered trademark of Aureal Inc.
Gamut is a registered trademark of Formosoft International Inc.
SuperVoice is a registered trademark of Pacific Image Communications Inc.
MediaRing Talk is a registered trademark of MediaRing Inc.
3Deep is a registered trademark of E-Color Inc.
Other names used in this publication may be trademarks and are acknowledged.

**Copyright © 2000**
**All Rights Reserved**
**KOB 630e FST, V1.1**

Downloaded from www.Manualslib.com manuals search engine

# Notice:

1. Please **avoid** to do "**Clear CMOS**" and "re**Flash BIOS**" operations simultaneously.



Downloaded from www.Manualslib.com manuals search engine

# Table of Contents

Trademarks ..... I
Chapter 1 ..... 1
Introduction ..... 1
Key Features ..... 2
Package Contents ..... 4
Static Electricity Precautions ..... 5
Pre-Installation Inspection ..... 5
Chapter 2 ..... 7
Mainboard Installation ..... 7
Mainboard Components ..... 8
Install A CPU ..... 9
Install Memory ..... 10
Setting Jumper Switches ..... 11
Install the Mainboard ..... 13
Install the Extension Brackets ..... 14
Optional Extension Brackets ..... 17
Install Other Devices ..... 19
Expansion Slots ..... 21
Chapter 3 ..... 23
BIOS Setup Utility ..... 23
Introduction ..... 23
Running the Setup Utility ..... 24
Standard CMOS Setup Page ..... 25
Advanced Setup Page ..... 26
Power Management Setup Page ..... 28
PCI / Plug and Play Setup Page ..... 30
Load Optimal Settings ..... 31
Load Best Performance Settings ..... 31
Features Setup Page ..... 32
CPU PnP Setup Page ..... 34
Hardware Monitor Page ..... 35
Change Password ..... 35
Exit ..... 36
Chapter 4 ..... 37
Software & Applications ..... 37
About the Software ..... 37
Folders for this Mainboard ..... 37
Running the Support CD-ROM ..... 39



Downloaded from www.Manualslib.com manuals search engine

Utility Folder Installation Notes .....39
Peripheral Folder Installation Notes .....40
Mainboard (KOB 630e FST) Installation Notes.....40



Downloaded from www.Manualslib.com manuals search engine

# Chapter 1

# Introduction

This mainboard has a **Socket 370**, which uses either an **Intel PPGA/FCPGA Celeron** or **FCPGA Pentium III** processor.

This mainboard supports front-side bus speeds of **66MHz**, **100MHz** or **133MHz**.

This mainboard uses the SiS630e chipset which provides **CPU Plug & Play** through firmware, integrates a **128-bit AGP Graphics Accelerator** and has an embedded **10BaseT/100BaseTX Network Interface**. The mainboard has a built-in **AC97 Codec** and provides an **AMR** slot to support Audio and Modem application. In addition, the mainboard has a full set of **I/O Ports** including a keyboard port, a parallel port, a serial port and a VGA port. And optional two USB ports, a PS/2 mouse port, a Infrared port can be added using the ATX Form card, two extra USB ports can be added using the optional Extended USB Module that connects to the mainboard.

This mainboard has all the features you need to develop a powerful multimedia workstation that is network ready. The board is **Baby-AT size** and has power connectors for **AT/ATX** power supply.



Downloaded from www.Manualslib.com manuals search engine

# Key Features

The key features of this mainboard include:

### Socket-370 Processor Support

- Supports **PPGA/FCPGA Celeron** and **FCPGA Pentium III** CPUs
- Supports 66MHz, 100MHz or 133MHz FSB

All processors are automatically configured using firmware and a synchronous/asynchronous Host/DRAM Clock Scheme.

### Memory Support

- Two DIMM slots for 168-pin SDRAM memory modules
- Support for 66MHz, 100MHz, & 133MHz memory bus
- Maximum installed memory is 2 x 512MB = 1 GB

### Expansion Slots

- Two 32-bit PCI slots
- AMR slot for a special audio/modem riser card

### Onboard IDE channels

- Primary and Secondary PCI IDE channels
- Support for PIO (programmable input/output) modes
- Support for Multiword DMA modes
- Support for Bus Mastering and Ultra DMA 33/66 modes

### Power Supply and Power Management

- AT/ATX power supply connector
- ACPI and previous PMU support, suspend switch, keyboard power on/off
- Supports Wake on Modem, Wake on LAN and Wake on Alarm



Downloaded from www.Manualslib.com manuals search engine

### Built-in Graphics System

- Onboard 128-bit 2D/3D 100MHz Host interface **AGP Graphics Accelerator** Complies with AGP V2.0
- Shared memory architecture allows a maximum of 64 MB main memory to act as frame buffer
- Supports high resolutions up to 1920x1200 16M colors, up to 2048x2048 Texture size and Virtual screen up to 4096x4096
- Supports hardware DVD Accelerator

### AC97 Codec

- Compliant PC97 2.1 specification
- Supports 18-bit ADC (Analog Digital Converter) and DAC (Digital Analog Converter) as well as 18-bit stereo full-duplex codec

### Onboard I/O Ports

- Provides PC99 Color Connectors for easy peripheral device connections
- Floppy disk drive connector with 1Mb/s transfer rate
- One serial port with 16550-compatible fast UART
- One parallel port with ECP and EPP support
- Optional ATX form card provides two USB ports, a mini-DIN port for a PS/2 mouse and one mini-DIN port for infrared
- Optional extended USB module provides extra two USB ports

### Onboard Flash ROM

- Automatic CPU and board configuration
- Supports Plug and Play configuration of peripheral devices and expansion cards
- Built-in virus protection using **Trend's ChipAwayVirus** provides boot process virus protection.

### Dimensions

- Baby-AT form factor (22cm x 22cm)



Downloaded from www.Manualslib.com manuals search engine

## Package Contents

Your mainboard package ships with the following items:

- The mainboard
- This User's Guide
- 1 UDMA/66 IDE cable
- Floppy disk drive cable
- Audio ports and Game/MIDI port extension bracket
- Serial/Parallel ports extension bracket
- VGA extension bracket
- Support software on CD-ROM disk

### Optional Accessories

You can purchase the following optional accessories for this mainboard.

- ATX Form card for 2 USB ports, an IR port and a PS/2 port
- Extended USB module
- AMR V.90 Modem card



Downloaded from www.Manualslib.com manuals search engine

## Static Electricity Precautions

Components on this mainboard can be damaged by static electricity. Take the following precautions when unpacking the mainboard and installing it in a system.

1. Keep the mainboard and other components in their original static-proof packaging until you are ready to install them.
2. During installation, wear a grounded wrist strap if possible. If you don't have a wrist strap, discharge static electricity by touching the bare metal of the system chassis.
3. Handle the mainboard carefully by the edges. Avoid touching the components unless it is absolutely necessary. During installation put the mainboard on top of the static-protection packaging it came in with the component side facing up.

## Pre-Installation Inspection

1. Inspect the mainboard for damage to the components and connectors on the board.
2. If you suspect that the mainboard has been damaged, do not connect power to the system. Contact your mainboard vendor and report the damage.



Downloaded from www.Manualslib.com manuals search engine

Downloaded from www.Manualslib.com manuals search engine

# Chapter 2

# Mainboard Installation

To install this mainboard in a system, follow the procedures in this chapter:

- Identify the mainboard components
- Install a CPU
- Install one or more system memory modules
- Verify that any jumpers or switches are set correctly
- Install the mainboard in a system chassis (case)
- Connect any extension brackets or cables to the mainboard connector headers
- Install any other devices and make the appropriate connections to the mainboard connector headers.

**Note:**

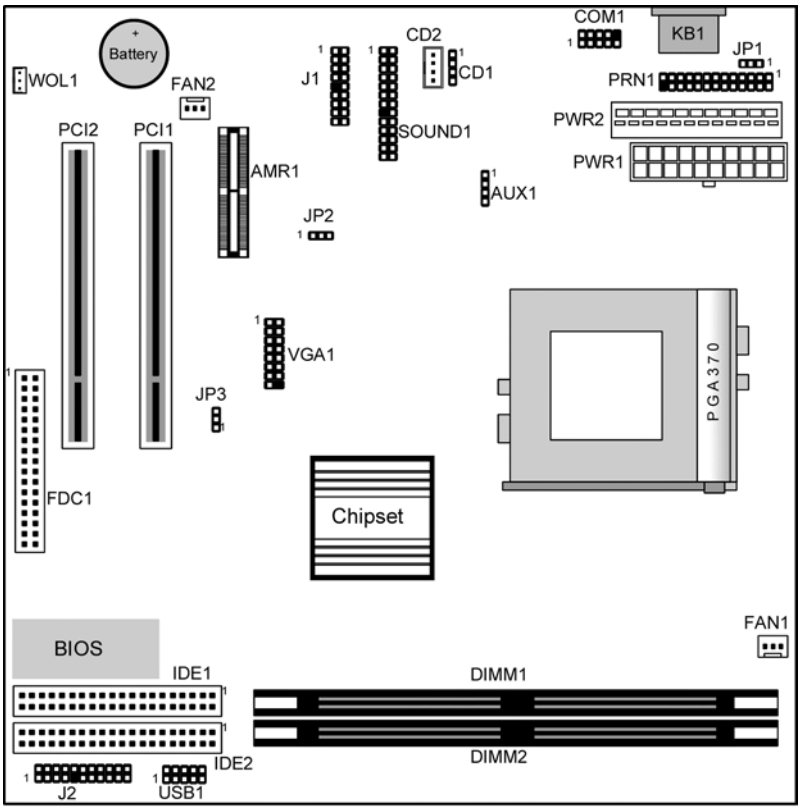
1. Before installing this mainboard, make sure jumper JP3 is set to Normal, the default setting. See this chapter for information on locating JP3 and the setting options.
2. Never connect power to the system during installation. Doing so may damage the mainboard.



Downloaded from www.Manualslib.com manuals search engine

## Mainboard Components

Use the diagram below to identify the major components on the mainboard.




***Note:*** *Any jumpers on your mainboard that do not appear in this illustration are for testing only.*



Downloaded from www.Manualslib.com manuals search engine

## Install A CPU

This mainboard has a Socket 370 which supports PPGA/FCPGA Celeron and FCPGA Pentium III processors.

**To ensure reliability, ensure that your processor has a heatsink/cooling fan assembly.**

Do not try to install a Socket 7 processor in the Socket-370. A Socket 7 processor such as the Pentium-MMX, or the AMD K5/K6 does not fit in the Socket 370.

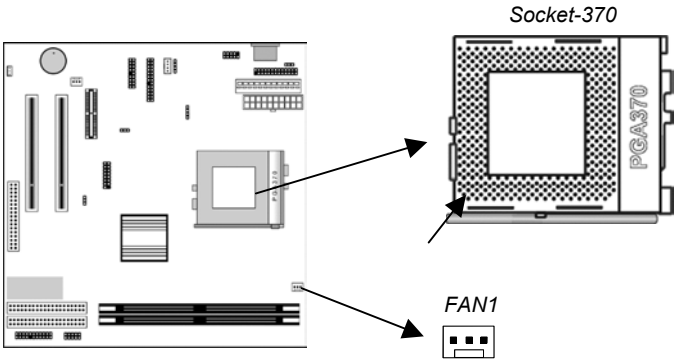
The following list notes the processors that are currently supported by this mainboard.

**PPGA/FCPGA Celeron**: 300~700 MHz, FSB: 66 MHz
**FCPGA Pentium III "Coppermine"**: 500~1130MHz, FSB: 100MHz, 133MHz

### Installing a Socket-370 Processor

A processor installs into the ZIF (Zero Insertion Force) Socket-370 on the mainboard.

1. Locate the Socket-370 and FAN1. Pull the locking lever out slightly from the socket and raise it to the upright position.




2. On the processor, identify the Pin-1 corner by its beveled edge.

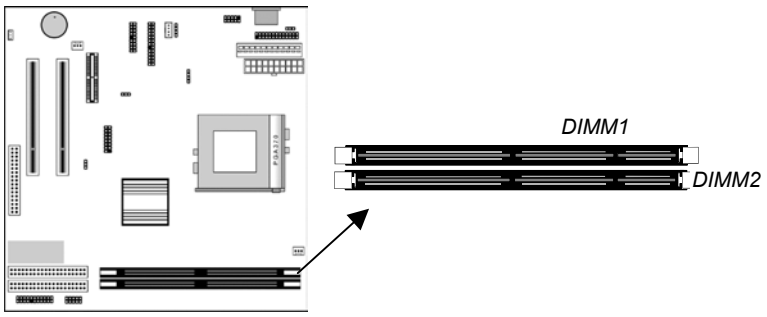


Downloaded from www.Manualslib.com manuals search engine

3. On the Socket-370, identify the Pin-1 corner. The Pin-1 corner is at the end of the locking lever when it is locked.
4. Match the Pin-1 corners and insert the processor into the socket. No force is required and the processor should drop into place freely.
5. Swing the locking lever down and hook it under the catch on the side of the socket. This secures the CPU in the socket.
6. All processors should be installed with a combination heatsink/cooling fan, connect the cable from the fan to the CPU fan power connector FAN1.

## Install Memory

The mainboard has two DIMM sockets for system memory modules. You must install at least one memory module in order to use the mainboard. **You must install the first memory module in the DIMM1 socket to provide shared memory to the onboard VGA display circuitry.**




For this mainboard, you must use 168-pin, 3.3V unbuffered SDRAM memory modules. If the installed CPU uses a 100 MHz system bus, you must use PC100/PC133 memory. If the installed CPU uses a 66 MHz system bus, you must use PC66/PC100 memory. You can install any size memory module from 16MB to 512MB, so the maximum memory size is 2 x 512MB = 1 GB.

The edge connectors on the memory modules have cut outs, which coincide with spacers in the DIMM sockets so that memory modules can only be installed in the correct orientation.

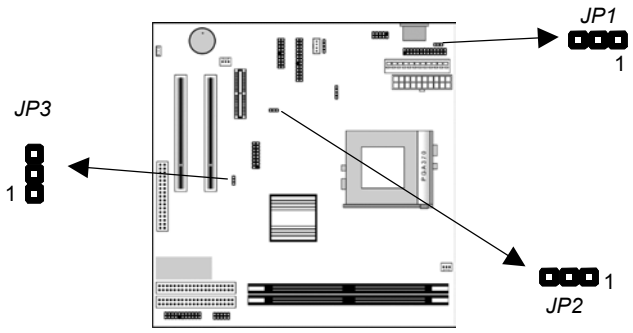


Downloaded from www.Manualslib.com manuals search engine

To install a module, push the retaining latches at either end of the socket outwards. Position the memory module correctly and insert it into the DIMM socket. Press the module down into the socket so that the retaining latches rotate up and secure the module in place by fitting into notches on the edge of the module.

## Setting Jumper Switches

Jumpers are sets of pins which can be connected together with jumper caps. The jumper caps change the way the mainboard operates by changing the electronic circuits on the mainboard. If a jumper cap connects two pins, we say the pins are SHORT. If a jumper cap is removed from two pins, the pins are OPEN.




### Jumper JP1: Keyboard Power On Selector

If you enable the keyboard power on feature, you can use hot keys on your keyboard as a power on/off switch for the system.
***Note:*** *The system must provide 1A on the +5VSB (+5V Standby) signal before using the Keyboard Power On function.*

| Function | Jumper Setting |
|---|---|
| Disable Keyboard Power On | Short Pins 1-2 |
| Enable Keyboard Power On | Short Pins 2-3 |



Downloaded from www.Manualslib.com manuals search engine

### Jumper JP2: Wake On LAN Selector

This controls the LAN Wake Up feature where the system will wake up in response to a signal over a LAN it is connected to.
***Note:*** *The system must provide 1A on the +5VSB (+5V Standby) signal in order for this feature to work.*

| Function | Jumper Setting |
|---|---|
| Disable | Short Pins 1-2 |
| Enable | Short Pins 2-3 |

### Jumper JP3: Clear CMOS Memory

Use this jumper to clear the contents of the CMOS memory. You may need to clear the CMOS memory if the settings in the Setup Utility are incorrect and prevent your mainboard from operating. To clear the CMOS memory, disconnect all the power cables from the mainboard and then move the jumper cap into the CLEAR setting for a few seconds.

| Function | Jumper Setting |
|---|---|
| Clear CMOS Memory | Short Pins 1-2 |
| Normal Operation | Short Pins 2-3 |

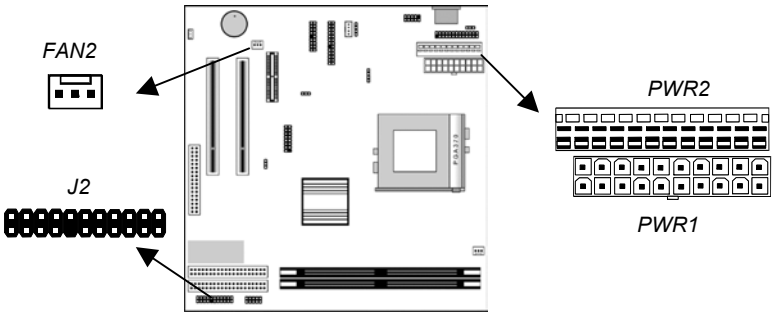


Downloaded from www.Manualslib.com manuals search engine

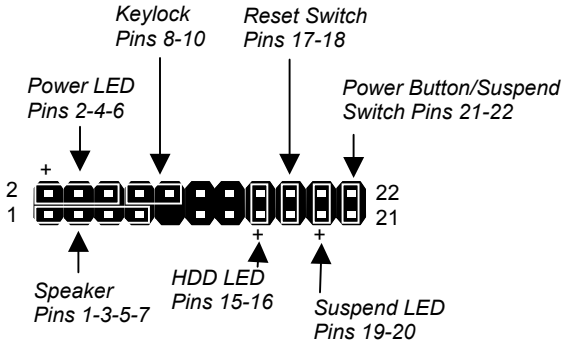
## Install the Mainboard

Install the mainboard in a system chassis (case). The board is a Baby-AT size mainboard with a set of I/O ports. You can install this mainboard in any AT case. Ensure that your case has an I/O cover plate that matches the ports on this mainboard.

Install the mainboard in a case. Follow the instructions provided by the case manufacturer using the hardware and internal mounting points on the chassis.




Connect the power connector from the power supply to the **PWR2/PWR1** AT/ATX Power connector on the mainboard. If there is a cooling fan installed in the system chassis, connect the cable from the cooling fan to the **FAN2** fan power connector on the mainboard. Connect the case switches and indicator LEDs to the **J2** switch and LED connector header. See the illustration below for a guide to the J2 connector pin assignments.






Downloaded from www.Manualslib.com manuals search engine

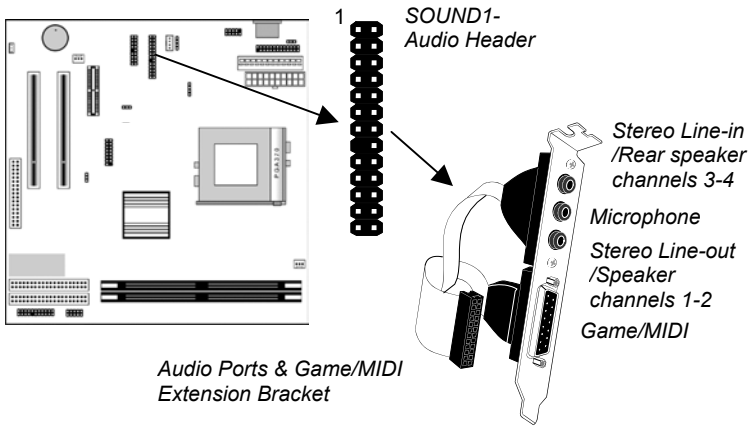
## Install the Extension Brackets

The extension brackets are used to connect features on the mainboard to external connectors that can be attached to the system chassis. Follow the steps below to install the extension brackets.

***Note:*** *All the ribbon cables used on the extension brackets have a red stripe on the Pin-1 side of the cable.*

### Audio Ports and Game/MIDI Port Extension Bracket

This bracket provides three audio jacks for stereo line in, stereo line out and microphone. In addition it has a 15-pin D-connector which can be used by either a joystick or a MIDI device.
If you are using a four channel speaker system, channel one and two are output through the Stereo Line-out, and the rear speaker channels three and four are output through Stereo Line-in.



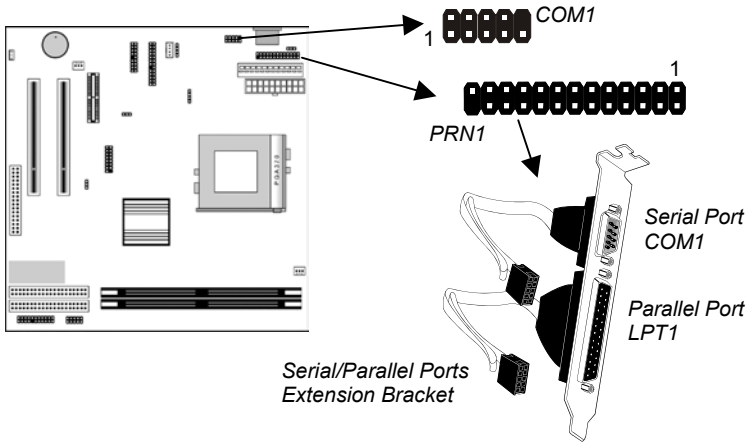

1. On the mainboard, locate the **SOUND1** audio header for this bracket.
2. Plug the cable from the bracket into the audio header.
3. In the system chassis, remove a blanking plate from one of the expansion slots and install the extension bracket in the slot. Use the screw that held the blanking plate in place to secure the extension bracket.



Downloaded from www.Manualslib.com manuals search engine

## Serial/Parallel Ports Extension Bracket

This bracket has one serial port - COM1 (9-pins) and one parallel port –PRN1 (25pins). On this mainboard, the second serial port is reserved for the Fax/Modem so you can only connect one of the serial ports to the manboard header COM1.



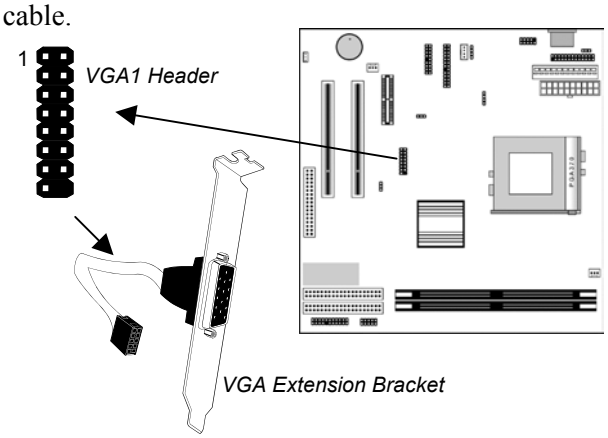

1. On the mainboard, locate the headers COM1 and PRN1 for this bracket.
2. Plug the serial cable into COM1 and the parallel cable into PRN1.
3. In the system chassis, remove a blanking plate from one of the expansion slots and install the extension bracket in the slot. Use the screw that held the blanking plate in place to secure the extension bracket.



Downloaded from www.Manualslib.com manuals search engine

## VGA Extension Bracket

The VGA extension bracket has a 15-pin connector for an external monitor cable.




1. On the mainboard, locate the **VGA1** header for this bracket.
2. Plug the cable from the bracket into the header.
3. In the system chassis, remove a blanking plate from one of the expansion slots and install the extension bracket in the slot. Use the screw that held the blanking plate in place to secure the extension bracket.



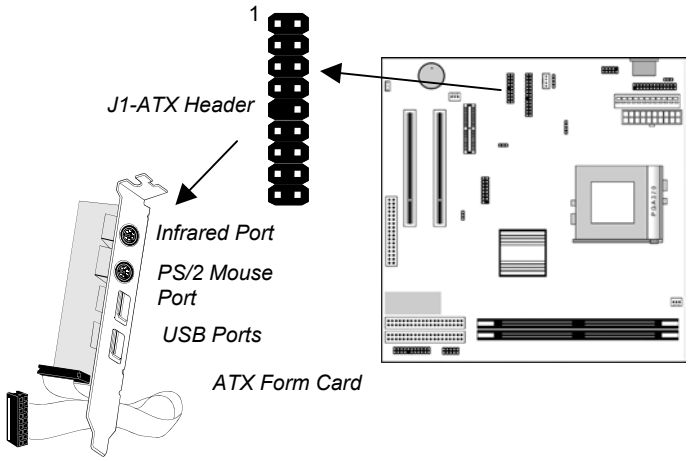
Downloaded from www.Manualslib.com manuals search engine

## Optional Extension Brackets

For this mainboard, you can also obtain an ATX form card and a USB module extension bracket. Install them by following the steps below.

### ATX Form Card

This ATX Form Card provides a mini-DIN port for infrared, one mini-DIN port for a PS/2 mouse. In addition it has two USB (Universal Serial Bus) ports.



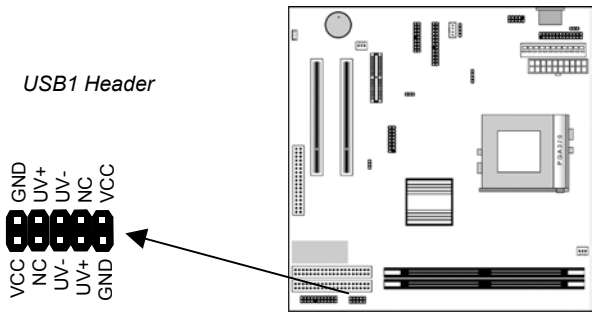

1. On the mainboard, locate the **J1** ATX header for this bracket.
2. Plug the cable from the bracket into the ATX header.
3. In the system chassis, remove a blanking plate from one of the expansion slots and install the extension bracket in the slot. Use the screw that held the blanking plate in place to secure the extension bracket.



Downloaded from www.Manualslib.com manuals search engine

## Extended USB Module

This module bracket has two USB ports for more USB devices.



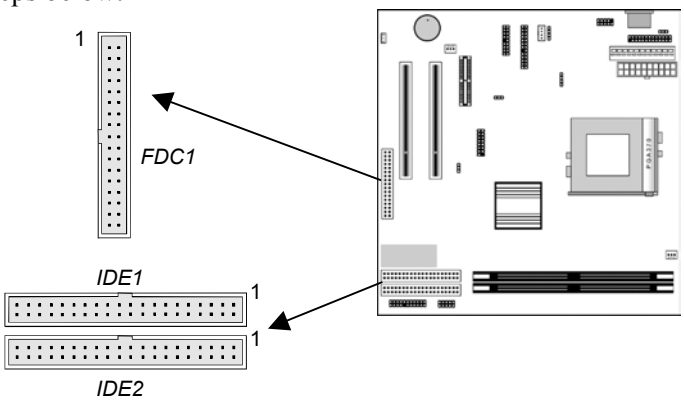

1. Locate the **USB1** header on the mainboard.
2. Plug the bracket cable onto the header.
3. In the system chassis, remove a slot cover from one of the expansion slots and install the extension bracket in the opening. Use the screw that held the slot cover in place to secure the extension bracket to the chassis.



Downloaded from www.Manualslib.com manuals search engine

## Install Other Devices

Install and connect any other devices in the system following the steps below.




### Floppy Disk Drive

The mainboard ships with a floppy disk drive cable that can support one or two drives. Drives can be 3.5” or 5.25” wide, with capacities of 360K, 720K, 1.2MB, 1.44MB, or 2.88MB.

Install your drives and connect power from the system power supply. Use the cable provided to connect the drives to the floppy disk drive header **FDC1**.

### IDE Devices

IDE devices include hard disk drives, high-density diskette drives, and CD-ROM or DVD-ROM drives, among others.

The mainboard ships with an IDE cable that can support one or two IDE devices. If you connect two devices to a single cable, you must configure one of the drives as Master and one of the drives as Slave. The documentation of the IDE device will tell you how to configure the device as a Master or Slave device. The Master device connects to the end of the cable.

Install the device(s) and connect power from the system power supply. Use the cable provided to connect the device(s) to the Primary IDE channel connector **IDE1** on the mainboard.

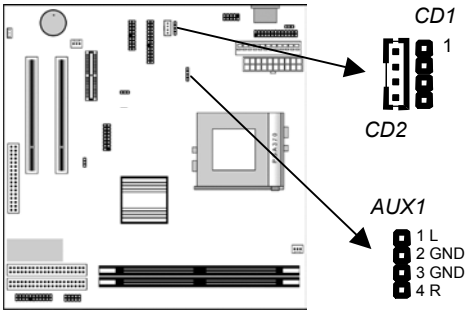


Downloaded from www.Manualslib.com manuals search engine

If you want to install more IDE devices, you can purchase a second IDE cable and connect one or two devices to the Secondary IDE channel connector **IDE2** on the mainboard. If you have two devices on the cable, one must be Master and one must be Slave.

## Internal Sound Connections

If you have installed a CD-ROM drive or DVD-ROM drive, you can connect the drive audio cable to the onboard sound system.
On the mainboard, locate the two 4-pin connectors **CD1** and **CD2**. There are two kinds of connector because different brands of CD-ROM drive have different kinds of audio cable connectors. Connect the cable to the appropriate connector.




## Aux-In Connection

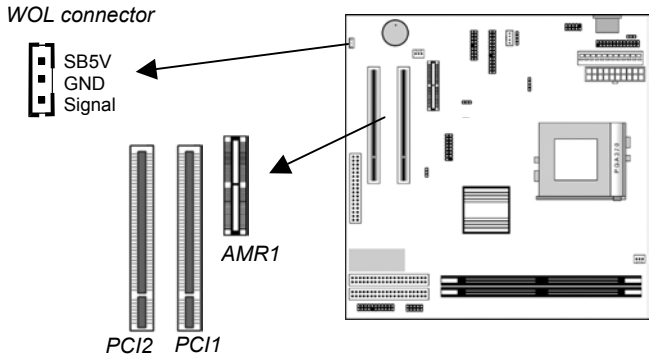
If you have installed a secondary CD-ROM drive or DVD-ROM drive, you can connect the drive audio cable to the onboard sound system.
On the mainboard, locate the 4-pin Aux-In header **AUX1**. Connect the cable to the connector.



Downloaded from www.Manualslib.com manuals search engine

## Expansion Slots

This mainboard has two 32-bit PCI expansion slots and one AMR slot.




Follow the steps below to install a PCI/AMR expansion card.

1. Locate the AMR or PCI slots on the mainboard.
2. Remove the slot cover for the expansion slot from the system chassis.
3. Insert the expansion card edge connector into the slot and press it firmly down into it so that it is fully inserted.
4. Secure the expansion card bracket to the system chassis using the screw that held the slot cover in place.

### AMR Slot

The AMR (Audio Modem Riser) slot is an industry standard slot that allows for the installation of a special audio/modem riser card. Different territories have different regulations regarding the specifications of a modem card. You can purchase an AMR card that is approved in your area and install it directly into the AMR slot.

### Wake On LAN (WOL)

If you are using an ATX power supply, you can configure your system so that it powers down by software and can be resumed by alarms. If you have installed a LAN adapter expansion card, connect the card to the Wake On LAN connector **WOL1**. This



Downloaded from www.Manualslib.com manuals search engine

allows incoming traffic to resume the system from a software power down. You need to enable this feature in the system setup utility.



Downloaded from www.Manualslib.com manuals search engine

# Chapter 3

# BIOS Setup Utility

## Introduction

The BIOS Setup Utility records settings and information about your computer such as the date and time, the kind of hardware installed, and various configuration settings. Your computer uses this information to initialize all the components when booting up and functions as the basis for coordination between system components.

If the Setup Utility configuration is incorrect, it may cause the system to malfunction. It can even stop your computer from booting properly. If this happens, you can use the clear CMOS jumper to clear the CMOS memory used to store the configuration information, or you can hold down the **Page Up** key while you reboot your computer. Holding down the **Page Up** key also clears the setup information.

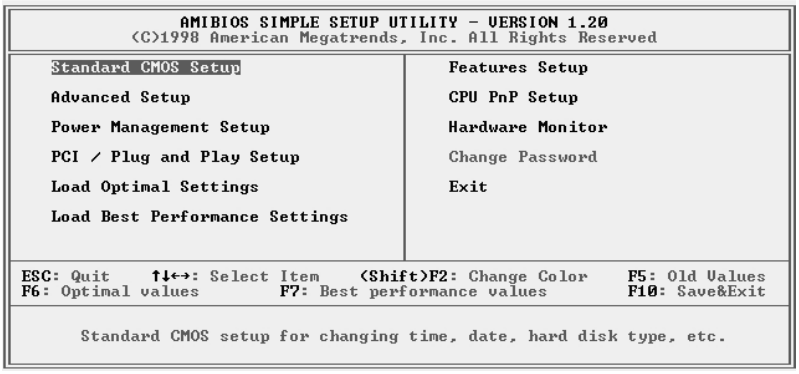
You can run the setup utility and manually make changes to the configuration. You might need to do this to configure some of the hardware that you install on or connect to the mainboard, such as the CPU, system memory, disk drives, etc.



Downloaded from www.Manualslib.com manuals search engine

## Running the Setup Utility

Each time your computer starts, before the operating system loads, a message appears on the screen that prompts you to "*Hit <DEL> if you want to run SETUP*". When you see this message, press the **Delete** key and the Main menu page of the Setup Utility appears on your monitor.




You can use the cursor arrow keys to highlight any of the options on the main menu page. Press **Enter** to select the highlighted option. To leave the setup utility, press the **Escape** key. To cycle through the Setup Utility's optional color schemes hold down the **Shift** key and press **F2**.

Some of the options on the main menu page lead to tables of items with installed values. In these pages, use the cursor arrow keys to highlight the items, and then use the **PgUp** and **PgDn** keys to cycle through the alternate values for each of the items. Other options on the main menu page lead to dialog boxes which require you to answer Yes or No by hitting the **Y** or **N** keys.

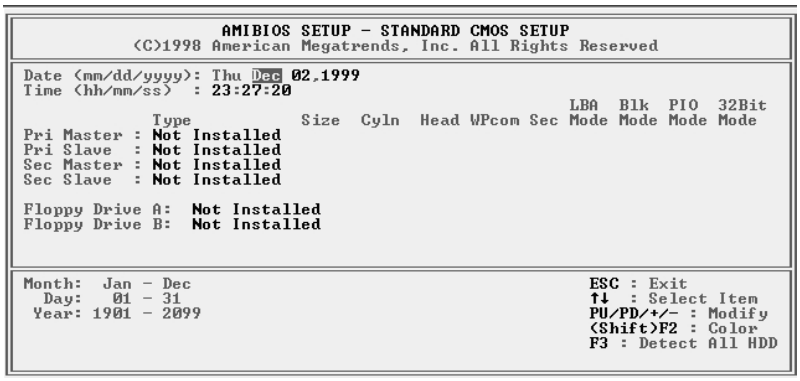
If you have already made changes to the setup utility, press **F10** to save those changes and exit the utility. Press **F5** to reset the changes to the original values. Press **F6** to install the setup utility with a set of default values. Press **F7** to install the setup utility with a set of high-performance values.



Downloaded from www.Manualslib.com manuals search engine

## Standard CMOS Setup Page

Use this page to set basic information such as the date and time, the IDE devices, and the diskette drives. If you press the F3 key, the system will automatically detect and configure the hard disks on the IDE channels.



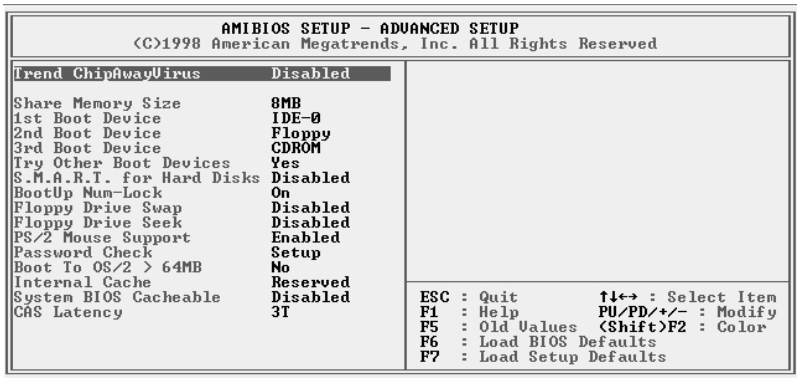

| | |
|---|---|
| **Date & Time** | Use these items to set the system date and time |
| **Pri Master**<br>**Pri Slave**<br>**Sec Master**<br>**Sec Slave** | Use these items to configure devices connected to the Primary and Secondary IDE channels. To configure an IDE hard disk drive, choose *Auto*. If the *Auto* setting fails to find a hard disk drive, set it to *User*, and then fill in the hard disk characteristics (Size, Cyls, etc.) manually. If you have a CD-ROM drive, select the setting *CDROM*. If you have an ATAPI device with removable media (e.g. a ZIP drive or an LS-120) select *Floptical*. |
| **Floppy Drive A**<br>**Floppy Drive B** | Use these items to set the size and capacity of the floppy diskette drive(s) installed in the system. |



Downloaded from www.Manualslib.com manuals search engine

## Advanced Setup Page

Use this page to set more advanced information about your system. Take some care with this page. Making changes can affect the operation of your computer.




| | |
|---|---|
| **Trend ChipAway Virus** | This mainboard has built-in virus protection in the firmware. Use this item to enable or disable the built-in virus protection. |
| **Frame Buffer Cache Control** | This item appears when a Frame Buffer Cache card is installed in the ADIMM socket. The default setting, Auto, automatically sets the display memory size. The Manual setting uses the next item to manually set display memory size. |
| **Share Memory Size** | This item lets you allocate a portion of the main memory for use by the onboard VGA display. |
| **1st Boot Device**<br>**2nd Boot Device**<br>**3rd Boot Device** | Use these items to determine the device order the computer uses to look for an operating system to load at start-up time. |
| **Try Other Boot Device** | If you enable this item, the system will also search for other boot devices if it fails to find an operating system from the first two locations. |
| **S.M.A.R.T. for Hard Disks** | Enable this item if any IDE hard disks support the S.M.A.R.T. (Self-Monitoring, Analysis and Reporting Technology) feature. |
| **BootUp Num-Lock** | This items determines if the Num Lock key is active or inactive at system start-up time. |



Downloaded from www.Manualslib.com manuals search engine

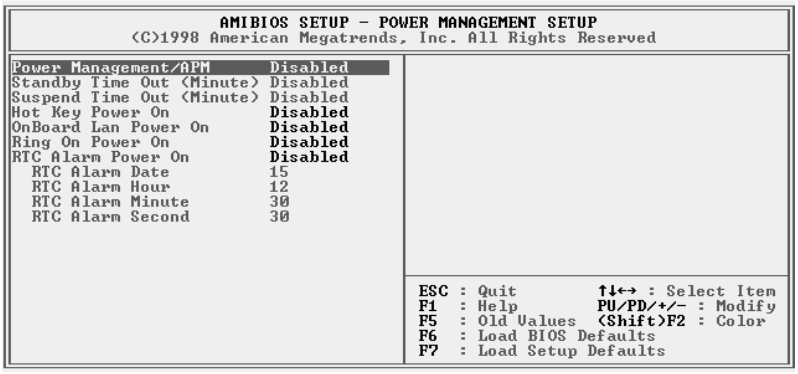
| | |
|---|---|
| **Floppy Drive Swap** | If you have two diskette drives installed and you enable this item, drive A becomes drive B and drive B becomes drive A. |
| **Floppy Drive Seek** | If you enable this item, your system will check all floppy disk drives at start up. Disable this item unless you are using an old 360KB drive. |
| **PS/2 Mouse Support** | If this item is set to Enabled, the onboard PS/2 Mouse port will work. Setting this to Disable turns off the port. |
| **Password Check** | If you have entered a password for the system, use this item to determine if the password is required to enter the Setup Utility (*Setup*) or required both at start-up and to enter the Setup Utility (*Always*). |
| **Boot to OS/2 > 64MB** | Enable this item if you are booting the OS/2 operating system and you have more than 64MB of system memory installed. |
| **Internal Cache** | Leave this item enabled since all the processors that can be installed on this board have internal cache memory. |
| **System BIOS Cacheable** | If you enable this item, a segment of the system BIOS will be cached to main memory for faster execution. |
| **CAS Latency** | This item determines the operation of the SDRAM memory CAS (column address strobe). We recommend that you leave this item at the default value. The 2T setting requires faster memory that specifically supports this mode. |



Downloaded from www.Manualslib.com manuals search engine

## Power Management Setup Page

This page sets some of the parameters for system power management operation.




| | |
|---|---|
| **Power Management/APM** | Use this item to enable or disable a power management scheme. If you enable power management, you can use the items below to set the power management operation. Both APM and ACPI are supported. |
| **Standby Time Out (Minute)** | This sets the timeout for Standby mode in minutes. If the time selected passes without any system activity, the computer will enter power-saving Standby mode. |
| **Suspend Time Out (Minute)** | This sets the timeout for Suspend mode in minutes. If the time selected passes without any system activity, the computer will enter power-saving Suspend mode. |
| **Hot Key Power On** | If you enable this item, you can turn the system on by pressing hot keys (Ctrl+Alt+BackSpace) on the keyboard. You must connect an ATX power supply and enable the jumper in order to use this feature. |



Downloaded from www.Manualslib.com manuals search engine

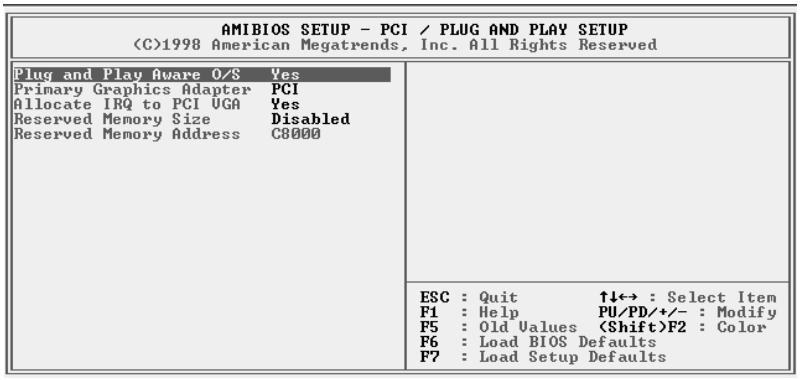
| | |
|---|---|
| **OnBoard Lan Power On** | The system can be turned off with a software command. If you enable this item, the system can automatically resume if there is traffic on the network adapter. You must use an ATX power supply in order to use this feature. |
| **Ring On Power On** | The system can be turned off with a software command. If you enable this item, the system can automatically resume if there is an incoming call on the Fax/Modem. You must use an ATX power supply in order to use this feature. |
| **RTC Alarm Power On** | The system can be turned off with a software command. If you enable this item, the system can automatically resume at a fixed time based on the system's RTC (realtime clock). Use the items below this one to set the date and time of the wake-up alarm. You must use an ATX power supply in order to use this feature. |



Downloaded from www.Manualslib.com manuals search engine

## PCI / Plug and Play Setup Page

This page sets some of the parameters for devices installed on the PCI bus and devices that use the system plug and play capability.




| | |
|---|---|
| **Plug and Play Aware O/S** | Enable this item if you are using an O/S that supports Plug and Play such as Windows 95 or 98. |
| **Primary Graphics Adapter** | This item indicates if the primary graphics adapter uses the PCI or the AGP bus. The default PCI setting still lets the onboard display work and allows the use of a second display card installed in a PCI slot. |
| **Allocate IRQ to PCI VGA** | If this item is enabled, an IRQ will be assigned to the PCI VGA graphics system. You set this value to No to free up an IRQ. |
| **Reserved Memory Size** | This item lets you reserve a block of memory for any device that requires it. |
| **Reserved Memory Address** | This item lets you set the address for any block of memory that has been reserved. |



Downloaded from www.Manualslib.com manuals search engine

## Load Optimal Settings

If you select this item and press **Enter** a dialog box appears. If you press **Y**, and then **Enter**, the Setup Utility loads a set of fail-safe default values. These default values are not very demanding and they should allow your system to function with most kinds of hardware and memory chips.

## Load Best Performance Settings

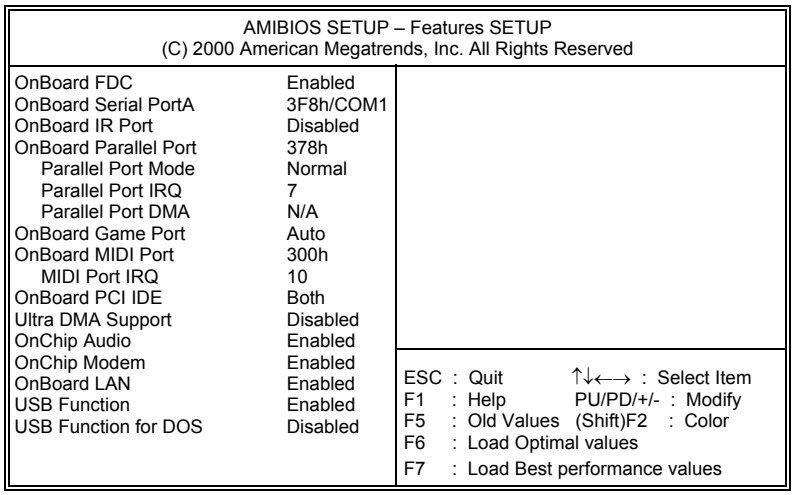
If you select this item and press **Enter** a dialog box appears. If you press **Y**, and then **Enter**, the Setup Utility loads a set of best-performance default values. These default are quite demanding and your system might not function properly if you are using slower memory chips or other low-performance components.



Downloaded from www.Manualslib.com manuals search engine

## Features Setup Page

This page sets some of the parameters for peripheral devices connected to the system.




| | |
|---|---|
| **OnBoard FDC** | Use this item to enable or disable the onboard floppy disk drive interface. |
| **OnBoard Serial PortA** | Use this item to enable or disable the onboard COM1 serial port, and to assign a port address |
| **OnBoard IR Port** | Use this item to define the protocol for an infrared port if you have installed an optional IR port. The choices are IrDA and ASKIR. |
| **Onboard Parallel Port** | Use this item to enable or disable the onboard LPT1 parallel port, and to assign a port address. The Auto setting will detect and available address. |
| **Parallel Port Mode** | Use this item to set the parallel port mode. You can select SPP (Standard Parallel Port), ECP (Extended Capabilities Port), EPP (Enhanced Parallel Port), or ECP + EPP. |
| **Parallel Port IRQ** | Use this item to assign either IRQ 5 or 7 to the parallel port. |
| **Parallel Port DMA** | Use this item to assign a DMA channel to the parallel port. The options are 0, 1 and 3. |



Downloaded from www.Manualslib.com manuals search engine

| | |
|---|---|
| **OnBoard Game Port** | Use this item to enable or disable the onboard Game port. |
| **OnBoard MIDI Port** | Use this item to enable or disable the onboard MIDI port, and to assign a port address. |
| **MIDI Port IRQ** | Use this item to assign an IRQ to the MIDI port. |
| **Onboard PCI IDE** | Use this item to enable or disable either or both of the onboard Primary and Secondary IDE channels. |
| **Ultra DMA Support** | Use this item to set Ultra DMA support for IDE devices on the Primary or Secondary IDE channels. You must enable this or UDMA devices will not work at their intended speed. |
| **OnChip Audio/ Modem** | Use these items to enable or disable the onboard audio/modem chip. |
| **OnBoard LAN** | This item enables or disables the onboard network interface. |
| **USB Function** | Enable this item if you plan to use the USB ports on this mainboard. |
| **USB Function for DOS** | Enable this item if you plan to use the USB ports on this mainboard in a DOS environment. |

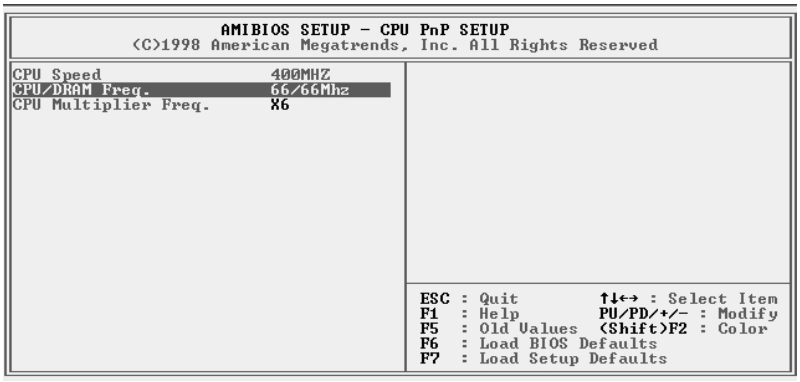


Downloaded from www.Manualslib.com manuals search engine

## CPU PnP Setup Page

This page lets you manually configure the mainboard for the CPU. The system will automatically detect the kind of CPU that you have installed and make the appropriate adjustments to the items on this page.

**Note**: If you manually set the wrong speed and the system won't run properly, press the **Page Up** key while the system is booting and a default setting will replace the incorrect CPU setting.



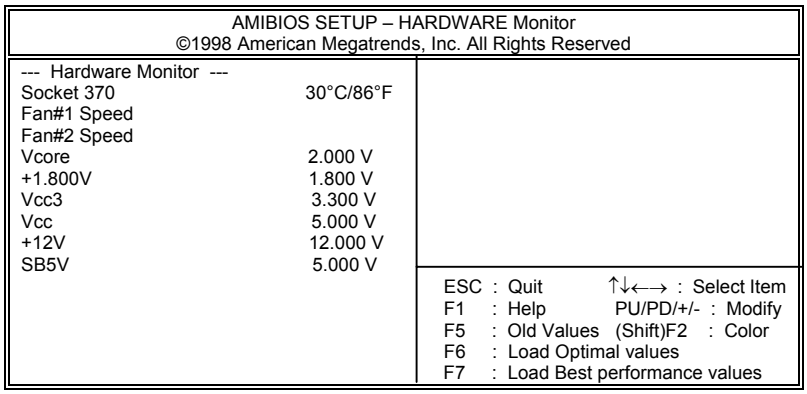

| | |
|---|---|
| **CPU Speed** | The item displays the internal clock speed of the CPU, based on the next two items. |
| **CPU/SDRAM Frequency** | Use this item to sets the external clock frequency for the CPU and the memory bus frequency. The options include combinations of 66 and 100MHz. Set the CPU clock based on the requirements of the CPU installed on the board. Select the memory frequency based on the speed of the memory installed on the board. |
| **CPU Multiple Freq.** | Use this item to set a multiplier for the CPU external frequency. The multiplier times the external CPU frequency sets the internal clock speed of the CPU, e.g. 100 MHz (external clock or "FSB") x 4.5 (muliplier) = 450 MHz (internal clock speed of the installed CPU). |



Downloaded from www.Manualslib.com manuals search engine

## Hardware Monitor Page

This page sets some of the parameters for the hardware monitoring function of this mainboard.




| | |
|---|---|
| **Socket 370** | This item display CPU temperature measurement. The system will alert you if a safe temperature is exceeded. |
| **FAN#1, 2 Speed & Voltage Measurements** | These items indicate cooling fan speeds in RPM and the various system voltage measurements. If the values deviate beyond certain limits, the hardware monitoring feature will alert you with a warning. |

## Change Password

If you highlight this item and press **Enter**, a dialog box appears which lets you enter a Supervisor password. You can enter no more than six letters or numbers. Press **Enter** after you have typed in the password. A second dialog box asks you to retype the password for confirmation. Press **Enter** after you have retyped it correctly. The password is then required to access the Setup Utility or for that and at start-up, depending on the setting of the Password Check item in Advanced Setup.



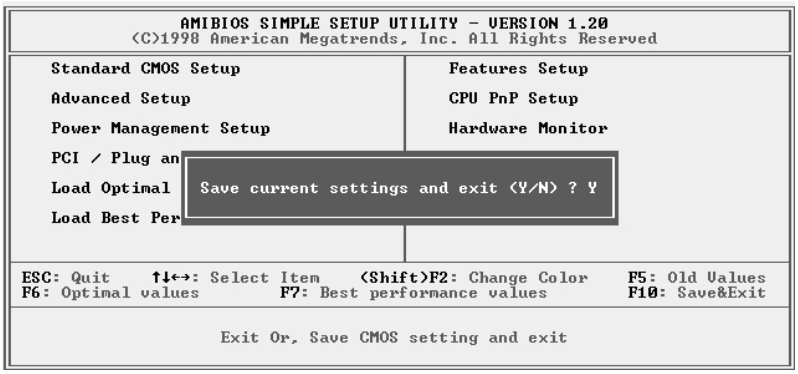
Downloaded from www.Manualslib.com manuals search engine

### Change or Remove the Password

Highlight this item, press Enter and type in the current password. At the next dialog box, type in the new password, or just press Enter to disable password protection.

## Exit

Highlight this item and press **Enter** to save the changes that you have made in the Setup Utility configuration and exit the program. When the Save and Exit dialog box appears, press **Y** to save and exit, or press **N** to exit without saving.






Downloaded from www.Manualslib.com manuals search engine

# Chapter 4

# Software & Applications

## About the Software

The software for this mainboard is supplied on a CD-ROM. The disk has some folders that can be used by many different mainboards, for example the **UTILITY** and **PERIPHERAL** folders. Some folders can only be used by mainboards which have certain brands of chipsets, for example the **Intel** and **VIA** folders. In addition, software that is specifically intended for one kind of mainboard is stored in a folder with the name of that board. The folder for this mainboard is stored in the **KOB 630e FST** folder.

> ***Note:*** *Never try to install software from a folder that is not specified for use with your mainboard.*

## Folders for this Mainboard

For this board, you can install software from the following folders:

### Utility Folder

You can use the software in the following sub-folders:

- **AMIFLASH**: Software to erase and install new revisions of the system BIOS
- **MEDIARING TALK:** Software for the built-in fax/modem
- **GAMUT:** Audio rack for built-in sound system
- **PC-CILLIN:** Anti-virus software
- **SUPER VOICE:** Software for the built-in fax/modem

### Peripheral Folder

You can use the software in the following sub-folders:

- **KEYBOARD, CD-ROM, MOUSE:** These three folders have drivers for accessories manufactured by BTC. Some system assemblers ship these accessories with complete systems based on this mainboard.



Downloaded from www.Manualslib.com manuals search engine

### KOB 630e FST Folder

You can use the software in the following sub-folders:

- **AUDIO:** Drivers and software for the built-in audio system
- **VGA:** Drivers and software for the built-in graphics adapter.

***Note:*** *Some folders are subdivided into different operating systems such as DOS, Windows 95, Windows NT, and so on. Always make sure that you are installing the correct software for the operating system on your computer. Some folders are also subdivided into different language versions, such as English, French, German and so on.*

***Note:*** *Before installing any software, always inspect the folder for files named README.TXT, INSTALL.TXT, or something similar. These files may contain important information that is not included in this manual.*



Downloaded from www.Manualslib.com manuals search engine

## Running the Support CD-ROM

1. Place the disk in your CD-ROM drive. If you are running Windows with Autoplay enabled, the opening screen of the CD appears automatically. Click on READ ME to read the latest instructions.
2. Click on the item BROWSE THE CD TITLE. This uses Windows Explorer to show the contents of the support CD.
3. Double click on a folder to display the sub-folders.
4. Before installing the software, look for a file named README.TXT, or something similar. This file may contain important information to help you install the software correctly.
5. Some software is installed in separate folders for different operating systems, such as DOS, WIN NT, WIN95/98, and so on. Always log on to the correct folder for the kind of OS you are using.
6. To install the software, you usually execute a file named SETUP.EXE or INSTALL.EXE by double clicking on the filename.

## Utility Folder Installation Notes

### AMI Flash Memory Utility

This utility lets you erase the system BIOS stored on a Flash Memory chip on the mainboard, and lets you copy an updated BIOS to the chip. Take care how you use this program. If you erase the current BIOS and fail to write a new BIOS, or write a new BIOS that is incorrect, your system will malfunction.

There are several flash memory utilities. For this mainboard you must use the **AMI818.EXE** utility. To use the utility, you must be in real-mode DOS (not the DOS box that is available in Windows 95/98/NT). If you are using WINDOWS 95/98, shut down your computer and select the option Restart in DOS in the shut-down dialog box. If you are running Windows NT, shut down your computer and boot from a DOS diskette temporarily in order to run the flash memory utility.



Downloaded from www.Manualslib.com manuals search engine

### GAMUT

The Gamut audio rack software for the built-in sound system is provided for different languages. Log on to the appropriate directory for your language, then run SETUP to install the application software.

### MediaRing Talk

To install the MediaRing Talk voice modem software for the built-in modem, run MRTALK99-SETUP.

### PC-Cillin Anti-Virus Utility

Anti-virus software is provided for DOS, for WIN95, and WIN 98. Log on to the appropriate directory for your operating system. For DOS, copy all the files in the DOS folder to your hard disk drive. For Windows 95, log on to the Disk 1 folder and run SETUP. For Windows 98, run SETUP.

### Super Voice

To install the Super Voice voice, fax, data communication application for use with the built-in fax/modem, run PICSHELL.

## Peripheral Folder Installation Notes

### KEYBOARD, CD-ROM, MOUSE

Follow the installation instructions contained in the documentation files in these folders.

## Mainboard (KOB 630e FST) Installation Notes

### Audio Software

This folder has software and drivers for the sound system that is integrated on this mainboard. Drivers are provided for Windows 2000/ME/98/95, Windows NT, and DOS.



Downloaded from www.Manualslib.com manuals search engine

**DOS Installation**
Browse to the SiS\AC97AUDIO\DOS folder on the driver CD-ROM and run the SETUP program.

### Windows 2000/ME/98/95 Installation
Browse to the \SiS\AC97AUDIO\ folder and then browse to the WIN 2000, WIN ME, or WIN 98\95 subfolder and run the SETUP program for your operating system.

### Windows NT 4.0 Installation
1. Click **Start**.
2. Click **Settings** and then click **Control Panel**.
3. Double-click the **Multimedia** icon.
4. Select the *Devices* tab.
5. Click **Add**.
6. Select the item *"Unlisted or Updated Driver"* in the **List of Drivers** list box.
7. Specify the path to the PCI audio NT drivers.
8. Select "SiS630/630E/630S/730S/540 Audio Device" and click **OK**.
9. Choose the proper I/O or click **OK** for the default setting.
10. Restart the Windows NT system.

## VGA Software
This folder has software and drivers for the VGA system that is integrated on this mainboard. Drivers are provided for Windows 2000/ME/98/95, Windows NT, and DOS.

**Windows 2000/ME/98/95 Installation**
Browse to the path \SiS630_VGA\WIN2000\ or \SiS630_VGA\WIN9X\ on the driver CD-ROM and run the SETUP program for your operating system.

### Windows NT 4.0 Installation
1. Click **Start**.
2. Click **Settings** and then click **Control Panel**.



Downloaded from www.Manualslib.com manuals search engine

3. Double-click the **Display** icon.
4. Select Settings of Display Properties.
5. Select Display Type.
6. Select Change from the Adapter Type area.
7. Select the item *"Unlisted or Updated Driver"* in the **List of Drivers** list box.
8. Specify the path to the VGA NT drivers.
9. Select " SiS630/630E/630S VGA Device" and click **OK**.
10. Choose the proper I/O or click **OK** for the default setting.
11. Restart the Windows NT system.



Downloaded from www.Manualslib.com manuals search engine